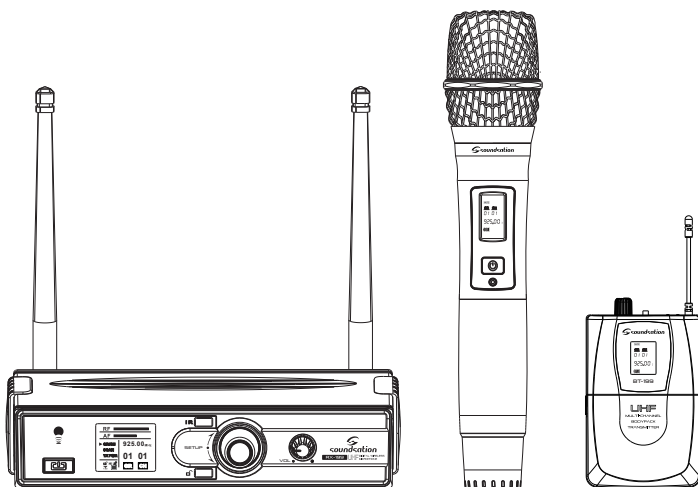




sound^{sation}

WF-KCU199

UHF TRUE DIVERSITY WIRELESS
MICROPHONE SYSTEM



USER MANUAL

Please read this manual carefully and proper take care of this manual.



Dear customer,

First of all thanks for purchasing a SOUNDSATION® product. Our mission is to satisfy all possible needs of musical instrument, professional audio and lighting users offering a wide range of products using the latest technologies.

We hope you will be satisfied with this item and, if you want to collaborate, we are looking for a feedback from you about the operation of the product and possible improvements to introduce in the next future. Go to our website www.soundsationmusic.com and send an e-mail with your opinion, this will help us to build instruments ever closer to customer's real requirements.

One last thing: read this manual before using the instrument, an incorrect operation can cause damages to you and to the unit. Take care!

The SOUNDSATION Team

TABLE OF CONTENTS

1. UNPACKING	6
1.1. WF-KCU199H.....	6
1.2. WF-KCU199P.....	6
2. ACCESSORIES	6
3. OVERVIEW.....	6
3.1. WF-KCU199H.....	7
3.2. WF-KCU199P.....	7
4. MAIN FEATURES	7
5. RECEIVER CONTROLS AND FUNCTIONS.....	8
5.1. Receiver Display.....	9
6. HANDHELD MICROPHONE FUNCTIONS	10
6.1. Handheld Microphone LCD Function	10
6.2. Battery placement	11
6.3. Hand-held Microphone Using Technique.....	11
7. POCKET TRANSMITTER AND HEADSET.....	12
7.1. Bodypack LCD Function.....	13
8. SYSTEM INSTALLATION	13
8.1. Receiver Placement	13
8.2. Group/Channel Manual Setting	14
8.3. Auto Scan Mode.....	14
8.4. Transmitter Power Setting	15
8.5. IR Sync Function.....	15
9. AUDIO CABLES.....	17
10. WF-RACK KIT1 AND KIT2	17
10.1. WF-RACK KIT1.....	18
10.2. WF-RACK KIT1 Assembling.....	18
10.3. WF-RACK KIT2.....	18
10.4. WF-RACK KIT2 Assembling.....	19
11. SPECIFICATIONS	20
12. FREQUENCY TABLE.....	20
13. WARRANTY AND SERVICE	21
14. WARNING.....	21

IMPORTANT SAFETY SYMBOLS



The symbol is used to indicate that some hazardous live terminals are involved within this apparatus, even under the normal operating conditions, which may be sufficient to constitute the risk of electric shock or death.



The symbol is used in the service documentation to indicate that specific component shall be replaced only by the component specified in that documentation for safety reasons.



Protective grounding terminal



Alternating current/voltage



Hazardous live terminal

ON

Denotes the apparatus is turned on

OFF

Denotes the apparatus is turned off

WARNING: Describes precautions that should be observed to prevent the danger of injury or death to the operator.

CAUTION: Describes precautions that should be observed to prevent danger of the apparatus.

TAKING CARE OF YOUR PRODUCT

- ▶ Read these instructions
- ▶ Keep these instructions
- ▶ Heed all warning
- ▶ Follow all instructions

WATER / MOISTURE

The apparatus should be protected from moisture and rain and can not be used near water; for example near a bathtub, a kitchen sink, a swimming pool, etc.

HEAT

The apparatus should be located away from heat sources such as radiators, stoves or other appliances that produce heat.

VENTILATION

Do not block areas of ventilation opening. Failure to do could result in fire. Always install according to the manufacturer's instructions.

OBJECT AND LIQUID ENTRY

Objects do not fall into and liquids are not spilled into the inside of the apparatus for safety.

POWER CORD AND PLUG

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two poles; a grounding-type plug has two poles and a third grounding terminal. The third prong is provided for your safety. If the provided plug does not fit into your outlet, refer to an electrician for replacement.

POWER SUPPLY

In case of external power supply, the apparatus should be connected to the power supply only of the type as marked on the apparatus or described in the manual. Failure to do could result in damage to the product and possibly the user. Unplug this apparatus during lightning storms or when unused for long periods of time.

FUSE

To prevent the risk of fire and damaging the unit, please use only of the recommended fuse type as described in the manual. Before replacing the fuse, make sure the unit turned off and disconnected from the AC outlet.

ELECTRICAL CONNECTION

Improper electrical wiring may invalidate the product warranty.

CLEANING

Clean only with a dry cloth. Do not use any solvents such as benzol or alcohol.

SERVICING

Do not implement any servicing other than those means described in the manual. Refer all servicing to qualified service personnel only. Only use accessories/attachments or parts recommended by the manufacturer.

WARNING

Please remember the high sound pressure do not only temporarily damage your sense of hearing, but can also cause permanent damage. Be careful to select a suitable volume.

INTERFERENCE FROM CELL PHONE

Using a cell phone near the wireless system can induce noise. If this occurs, move the cell phone further away from the components of the wireless system.

I. UNPACKING


WF-KCU199 system is composed by following parts:

I.1. WF-KCU199H

- ▶ 1x Receiver
- ▶ 1x External Power Adapter
- ▶ 1x Hand Transmitter
- ▶ 2x 1.5V AA-Type Batteries
- ▶ This User Manual

I.2. WF-KCU199P

- ▶ 1x Receiver
- ▶ 1x External Power Adapter
- ▶ 1x Pocket Transmitter
- ▶ 1x Headset Microphone
- ▶ 2x 1.5V AA-Type Batteries
- ▶ This User Manual

 **ATTENTION:** Packaging bag is not a toy! Keep out of reach of children!!! Keep in a safe place the original packaging material for future use.

2. ACCESSORIES

SOUNDSATION can supply a wide range of quality accessories that you can use with your WIREFREE Series wireless microphone system, like Cables, Mixers, Speakers, Amplifiers, Stands, etc.

All products in our catalogue has been long tested with this device so we recommend to use Genuine SOUNDSATION Accessories and Spare Parts.

Ask your SOUNDSATION dealer for any accessories you could need to ensure best performance of the product.

3. OVERVIEW

SOUNDSATION WF-KCU199 is a UHF True Diversity professional wireless microphone with 60 channels and a simple and intuitive user interface. "True Diversity" means that the receiving system is equipped with two antennas, two receiving circuits and a device capable of continuously choose the stronger and interference-free signal. The digital ID pilot technology avoids interferences even on same frequency, and allows continuous

exchange of data between transmitter and receiver, such as battery level, transmission power, squelch operation, etc.

The system is equipped with automatic frequency scanning and frequency spectrum display, which allow the user to select the less disturbed frequencies in every environment it operates. It features 60 frequencies, divided in 6 groups, each of which contains 10 channels.

The user interface is very simple and intuitive, thanks to the TFT color display on the receiver and the simplicity of its setup menus. The handheld transmitter and the bodypack, however, are equipped with LCD display.

Finally, there are two optional kit for rack mounting of 1 or 2 receivers, respectively, on 1 or 2 standard 19" rack units. Ask your dealer or visit SOUNDSATION website www.soundsationmusic.com for further details.

WF-KCU199 systems are available in 2 configurations:

3.1. WF-KCU199H

- 1x UHF Digital Receiver
- 1x Hand Transmitter with Professional Dynamic Cardioid Capsule

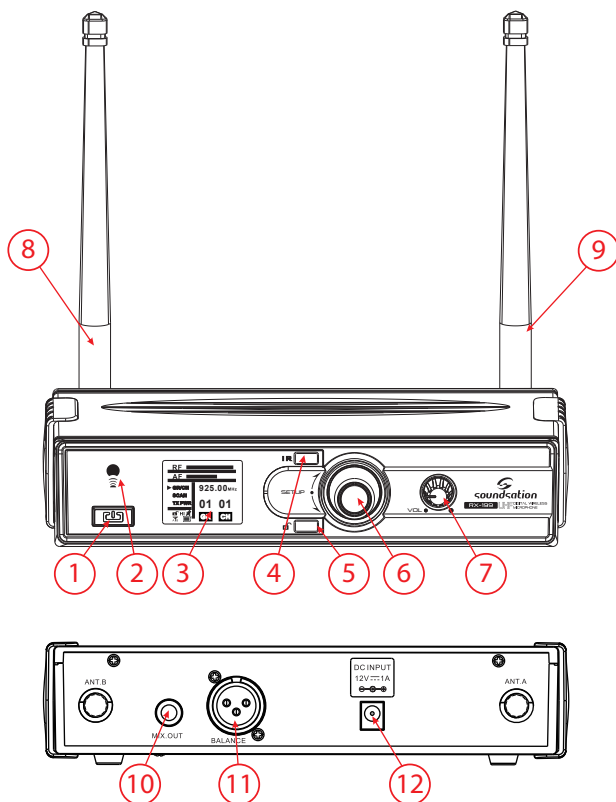
3.2. WF-KCU199P

- 1x UHF Digital Receiver
- 1x Pocket Transmitter
- 1x Headset Microphone with Professional Dynamic Cardioid Capsule

4. MAIN FEATURES

- ▶ UHF Band operation (925-937 MHz)
- ▶ True Diversity transmission technology
- ▶ Digital pilot technology
- ▶ True diversity technology
- ▶ Colorful TFT display and menu settings on receiver
- ▶ Auto frequency scanning and spectrum display
- ▶ 50m Ideal Distance (without obstacles)
- ▶ Professional Handheld Microphone with Professional Dynamic Cardioid Capsule (WF-KCU199H only)
- ▶ Body pack Transmitter (WF-KCU199P model)
- ▶ Professional and Lightweight Headset with High-Sensibility Dynamic Cardioid Capsule (WF-KCU199P model)
- ▶ Rack-Mount Kit for 1 or 2 receiver units to 1x or 2x 19" rack unit (optional)

5. RECEIVER CONTROLS AND FUNCTIONS

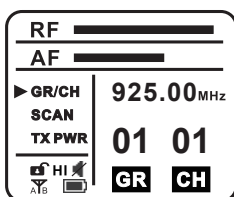







1. **Power Switch:** It switches on and off the receiver. Please notice that LOCK function is active at power on. Hold SET button for a few seconds to unlock the receiver and access to the parameters (refer to the section "8. SYSTEM INSTALLATION" at page 13 for details).
2. **IR Sensor:** It is the infrared sensor used to synchronize the operating channel between receiver and transmitter.
3. **TFT Color Display:** It shows all functions and allows easy and intuitive programming of all parameters.
4. **IR Switch:** Press it to synchronize the operating channel between receiver and transmitter.
5. **Unlock Button:** It locks/unlocks the system in order to avoid accidental setup

parameters changes.

6. **Setup Knob/Button:** It access to all editing functions, etc. (See section “8. SYSTEM INSTALLATION” at page 13 for further details).
7. **Volume Knob:** It increases or decreases the output level of BALANCED and MIX outputs.
8. **Antenna-A:** It receives RF signals from the transmitter.
9. **Antenna-B:** Same as Antenna-A, it receives RF signals from the transmitter.
10. **Mix Output:** It is the unbalanced audio line output with ¼” Jack to use in case of connection to mixers or audio equipment with unbalanced connections.
11. **Balance Output:** It is the balanced XLR audio line output to connect to your mixer or audio system. For more details about the internal wiring of balanced cables, refer to paragraph “9. AUDIO CABLES” at page 17.
12. **DC Input:** Connect here the external power supply (12Vdc – 1A)

5.1. Receiver Display



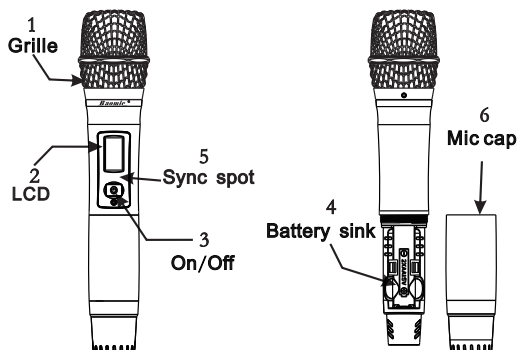
RF 	RF indicates signal intensity. AF indicates audio level. The longer the bar is, the stronger the signal is
AF 	
GR/CH	GR indicates current frequency group. CH indicates current frequency of the selected group
SCAN UP DOWN	SCAN automatically scans up or down to search for available frequency until the desired frequency is reached. It can be set under SCAN function.
TX PWR HI LO	TX PWR shows only one icon: “HI” or “LO”. It indicates high or low transmitter power
	LOCK indicates that all buttons don't operate under this status
HI / LO	HI means high power. LO means low power
	MUTE indicates that the receiver is under MUTE status (sound is off)
	IR icon: when flashing indicates that the receiver is sending a SYNC signal.




Battery icon: indicates the handheld/bodypack microphone battery status.

6. HANDHELD MICROPHONE FUNCTIONS

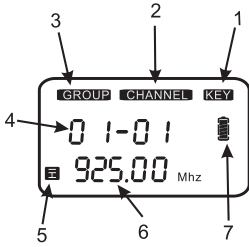
WF-KCU199H system features a handheld transmitter with professional dynamic cardioid capsule. Below there's a quick description of main parts.




1. **Grille:** It protects the microphone capsule. Never remove it to prevent damage to the internal parts of the microphone.
 2. **LCD Display:** This back-lit display shows all important information related to settings, as well as the battery charge level.
-  **NOTE:** After about 10 seconds the back-light is lowered, reducing battery consumption. The lighting returns to increase each time you press Power button.
3. **Power button:** Press and hold this button for about 2 seconds to turn on or off the microphone.
 4. **Battery Slot:** Insert 2x1.5V (AA Type) batteries supplied with the system, paying attention to correct polarity (indicated on bottom of this battery compartment).
 5. **IR Sensor:** During IR synchronization procedure, bring this part of the transmitter close to the receiver's IR sensor to complete the operation.
 6. **Battery Slot Cover:** Remove this cover to access the battery-compartment and insert or replace the batteries.

6.1. Handheld Microphone LCD Function


- 1) **KEY** Indicates digital pilot function is ON



- 2) **CHANNEL** Indicates working channel
- 3) **GROUP** Indicates working group
- 4) **01-01** In this case it Indicates Group 1, Ch 01
- 5) **HI** or **LO** Indicates using high or low transmitter power
- 6) **925.00** Mhz Indicates current frequency
- 7)  Indicates battery status, when flashing indicates battery is low of power

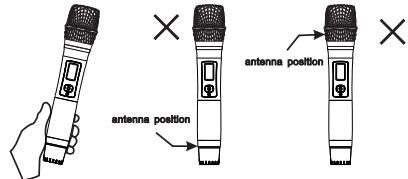
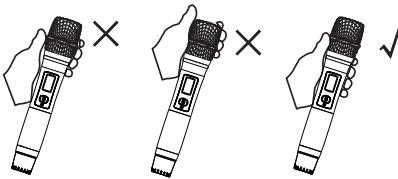
6.2. Battery placement



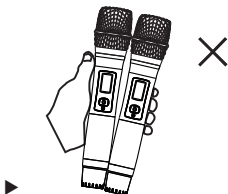
- ▶ Under working status, long press ON/OFF button until see OFF, then the microphone is off.
 - ▶ Remove the battery cover, insert 2x1.5V AA Type batteries in correct polarity.
 - ▶ Long press ON/OFF button in 2 seconds. If LCD doesn't light, check whether battery in correct polarity or battery is low of power. If the battery indicator of LCD display is flashing, please change with new battery.
-  **NOTE:** The microphone can only work under same frequency with Receiver. It automatically enters the default mode when switched on, and automatically save last used channels.

6.3. Hand-held Microphone Using Technique

- ▶ Don't hold the microphone grill.
- ▶ Avoid holding the microphone on antenna position.



- ▶ Don't hold two microphones together



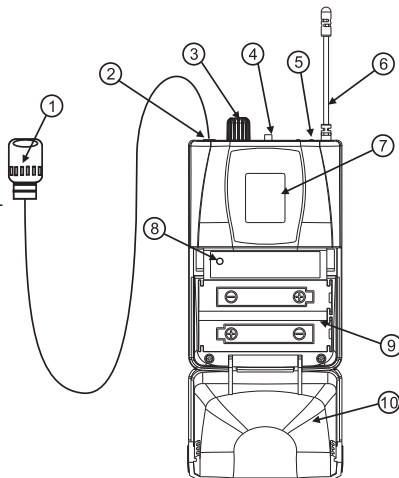
 **ATTENTION:** Operating distance between microphone grill and mouth must



be less than 15cm

- Avoid direct the microphone toward a speaker to avoid Larsen effect, which could damage your audio system.

7. POCKET TRANSMITTER AND HEADSET

1. Microphone: WF-KCU199P system features a headset microphone with professional cardioid dynamic capsule.
2. Microphone Input: Plug here the headset audio connector.
3. Volume: Adjust the audio input level of the transmitter. Use this knob to adapt microphone signal level in order to prevent distorted sound.
4. ON/MUTE/OFF Selector: This selector has 3 positions. When it's all to the OFF position, the microphone is turned off; when it is MUTE position, the microphone is active but the audio is disabled; finally, when it's all to ON position, the microphone is working and the audio is active.



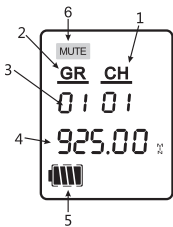
-  **NOTE:** Standby central position allows the unit to transmit without audio. This option is important to prevent interference in the receiver due to the absence of a radio transmitting signal. It is, therefore, suggested to ALWAYS use this standby position when you temporarily don't sing or play but the wireless microphone is connected to an audio system (e.g. during a pause in a show). You can move the switch to OFF position (all down) only when you are sure that the sound system volume is low.
- 5. Power LED: It lights up when the transmitter is on.
- 6. Antenna: It transmits the radio signal. Be careful not to bend or break this terminal.
- 7. LCD Display: The back-lit display shows all important information relating to settings, as well as battery charge level.
-  **NOTE:** After about 10 seconds the back-light is lowered, reducing battery consumption. The lighting returns to increase each time you press the Power button.
- 8. IR Sensor: During IR sync procedure, bring this part of the transmitter close to the receiver's IR sensor to complete the operation.
- 9. Battery Slot: Insert two 1.5V AA-Type batteries, paying attention to correct polarity


(indicated on bottom of this battery compartment). After that, pull the switch to "ON" side, if LCD not light, check whether battery in correct polarity or is low of power. If the battery indicator of LCD is flashing, please change with new batteries.

10. Battery Slot Cover: Open this cover to access to insert or replace the batteries. Following the instructions for their replacement:

- ▶ Apply a slight pressure at the top of the door (10) and pull down.
- ▶ Insert or replace the batteries in the compartment, observing the +/- polarity marked on the bottom.
- ▶ Close the cover to prevent batteries to be lost during use.

7.I. Bodypack LCD Function



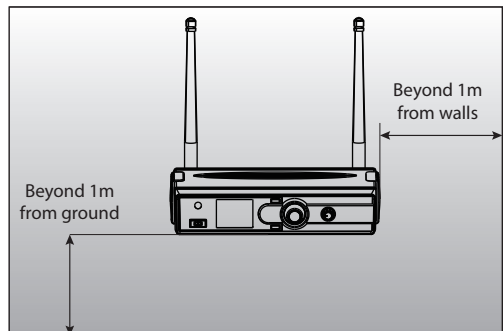
- | | | |
|----|---|---|
| 1) | CH | Indicates working channel |
| 2) | GR | Indicates working group |
| 3) | 0101 | In this case, it Indicates Group 01, Ch 01 |
| 4) | 925.00 | Indicates current frequency |
| 5) |  | Indicates battery status, when flashing indicates that battery is low |
| 6) | MUTE | Indicates mute status |

8. SYSTEM INSTALLATION

8.I. Receiver Placement


Before using the system, please be sure that the receiver is correctly placed at a distance of about 1m from floor, and 1m from walls or other big physical obstacles (columns or other radio-frequency equipment).


- ▶ Pull out the two antennas (8) and (9), make them to be perpendicular with the receiver.
- ▶ Connect the supplied power adapter to the DC power supply socket (13). Make sure that the adapter is suitable before using the Receiver.
- ▶ Connect the balanced audio output (10) or the unbalanced (11) to your mixer or sound system, using the appropriate ca-



bles (see section "9. AUDIO CABLES" at page 17 for further details).

- ▶ Turn on the receiver by pressing the POWER button (1); the LCD (3) will light up showing the current settings of the system.


 **NOTE: Before switching on the Receiver, turn the volume control knob to minimum, adjust the volume as needed when the Receiver is working.**

Please notice that when you switch on the receiver LOCK function is active. Hold for two seconds UNLOCK button to unlock it and have access to all parameters. LOCK icon will turn off. In addition to the active LOCK function, at power on the receiver is even muted ( icon is on) until you turn on the transmitter and align it on the same receiver's channel.

8.2. Group/Channel Manual Setting

After unlocking the receiver, the LOCK icon will turn off, indicating that you can select one of the 6 groups and one of the 10 frequencies in each group.

- ▶ Once you have located an interference-free channel (see "12. FREQUENCY TABLE" at page 20 for details), rotate SETUP knob, and press it to enter into the channel setting mode while GR/CH is highlighted.
- ▶ Then rotate the control knob to select the appropriate menu item (GR or CH) and press the knob to confirm.
- ▶ Select the appropriate group and channel by increasing or decreasing and, after finished, press the control knob to confirm.
- ▶ Finally press IR function to sync the receiver with the handheld transmitter or bodypack.

 **NOTE: If during group/channel selection you do not press any button for about 10 seconds, the system automatically returns to the LOCK mode. It is therefore necessary to unlock the receiver again to re-access group/channel setup mode.**


8.3. Auto Scan Mode

SOUNDSTATION WF-KCU199 is equipped with a useful auto scan function of the frequencies. This allows you to always choose those channels with less problems and make setting operations extremely quick.

- ▶ To automatically perform a frequency scan, unlock - if not already done - the receiver by holding for a few seconds UNLOCK button (LOCK icon disappears).
- ▶ Then press SETUP knob and rotate it clockwise or counterclockwise until SCAN menu is reached.
- ▶ Press SETUP knob again to enter SCAN menu. You will find two options: UP or DOWN. The first performs a spectrum scan and returns the first free frequency above the current one. The second scans the spectrum but returns the first free frequency be-

low the current one.


- ▶ Then rotate the control knob and select UP or DOWN to automatically scan up or down to search for available frequency.
- ▶ Once the frequency is reached, press IR button to transfer the certain Group/Channel information corresponding to the scanned frequency to bodypack or handheld transmitter.

 **NOTE:** If you do not press any buttons for about 10 seconds, the system returns to LOCK mode.

8.4. Transmitter Power Setting

Adjust SETUP control knob, press TX PWR function enter into Transmitter HI/LO setting mode. Then adjust the control knob, select high or low power (HI or LO) (3). Under the situation of many equipment used together at the same time, select high power (HI) can reduce mutual interference.

- ▶ To adjust transmitter power, first unlock the receiver by holding for a few seconds UNLOCK button (LOCK icon disappears).
- ▶ Then press SETUP knob and rotate it clockwise or counterclockwise until TX PWR menu is reached.
- ▶ Press SETUP knob again to enter TX PWR menu. You will find two options: HI and LO. Then rotate the control knob and select one of the two options.
- ▶ When LO icon flashes on receiver's display, press UP or DOWN buttons to adjust transmission power: "HI" stands for high power; "LO" stands for low power.

 **NOTE:** Turn down the transmit power of a wireless system may seem a contradiction. Normally radio interference cause audio noises because of poor power, but this is not always true. In fact, sometimes a transmitter too close to the receiver can create problems. In these cases, it may be better to reduce transmission power in order to cancel these problems.

8.5. IR Sync Function

The WF-KCU199 comes with an infrared transmission system between receiver and transmitter that easily sends all settings to your hand-held or pocket transmitter. To activate the IR function:

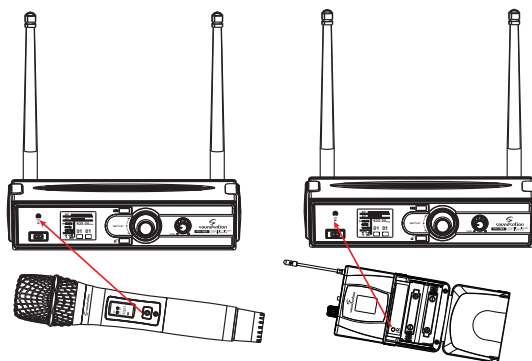
- ▶ Turn on the receiver and hold for a few seconds UNLOCK key to unlock it. LOCK icon will turn off. Now you can choose between manual channel setting or auto scan procedure to find the best frequency to be used.


MANUAL CHANNEL SETTING

- ▶ Once you have located an interference-free channel (please refer to "12. FREQUENCY TABLE" at page 20), rotate SETUP knob, and press it to enter into channel set-

ting mode while GR/CH is highlighted.

- ▶ Rotate control knob again to select the appropriate menu item (GR or CH) and press the knob to confirm.
- ▶ Select the appropriate group and channel by increasing or decreasing and, after finished, press the control knob to confirm.
- ▶ Finally press for about 2 seconds IR button to sync the receiver to the handheld transmitter or bodypack. **IR** icon will flash for about 15 seconds, indicating that the receiver unit is sending the information through the IR sensor.
- ▶ Bring the handheld or pocket transmitter as close as possible to the receiver's IR sensor.




- ▶ Once the transmitter is synchronized, **IR** icon stops blinking; MUTE icon turns off, battery  and transmission power **HI** or **LO** icons light up, indicating that the system is now working properly.
- ▶ The display on the transmitter shows the same channel set on the receiver and the **HI** or **LO** icons indicate a good radio signal.
- ▶ After about 10 seconds, the system automatically returns to LOCK mode. At this point the system is fully set and ready to operate.

AUTO SCAN SETTING

If you want the system automatically suggest interference-free frequencies, then perform the auto scan procedure as already shown in paragraph "8.3. Auto Scan Mode" at page 14.

- ▶ Press SETUP knob and rotate it clockwise or counterclockwise until SCAN menu is reached.
- ▶ Rotate the control knob again and select UP or DOWN to automatically scan up or down for available frequencies.
- ▶ Once the frequency is reached, press for about 2 seconds IR button to transfer the Group/Channel information corresponding to the scanned frequency to bodypack or handheld transmitter. **IR** icon will flash for about 15 seconds, indicating that the

receiver unit is sending the information through the IR sensor.

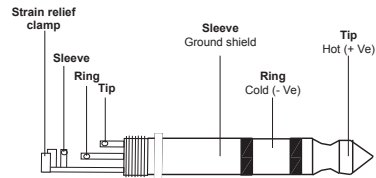
- ▶ Bring the handheld or pocket transmitter as close as possible to the receiver's IR sensor.
- ▶ Once the transmitter is synchronized, **IR** icon stops blinking; MUTE icon turns off, battery  and transmission power **HI** or **LO** icons light up, indicating that the system is now working properly.
- ▶ The display on the transmitter shows the same channel set on the receiver and the **HI** or **LO** icons indicate a good radio signal.
- ▶ After about 10 seconds, the system automatically returns to LOCK mode. At this point the system is fully set and ready to operate.

9. AUDIO CABLES

Balanced use of XLR connectors

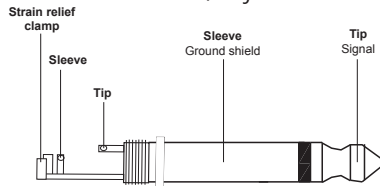


Balanced use of 1/4" jack TRS connector



You need XLR balanced cables for connections to your audio equipment. See the pictures below that show the internal wiring of these cables. Be sure to use only high quality cables (visit our website www.soundsationmusic.com for further details).

Unbalanced use of 1/4" jack TS connector

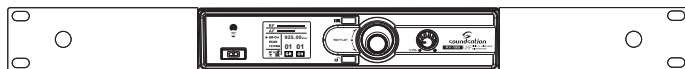


You can, of course, connect even unbalanced equipment to balanced outputs. Use either mono and stereo jack, making sure ring and collar are connected together (or pins 1 & 3 in the case of XLR connectors).

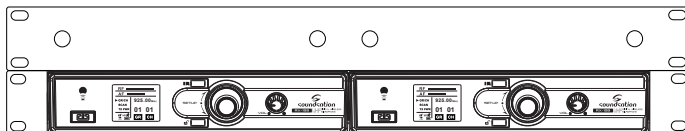
10. WF-RACK KIT1 AND KIT2

WF-KCU199 receiver units can be mounted into 19" standard rack units using optional kits (contact your dealer or go to www.soundsationmusic.com for more details) to adapt the receiver to any 19" rack. 2 different kits are available:

- **WF-RACK KIT1:** To set one receiver in one 19" rack unit.



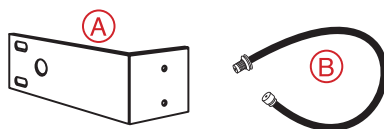
- **WF-RACK KIT2:** To set two receivers in two 19" rack units.



10.1. WF-RACK KIT1

The kit includes:

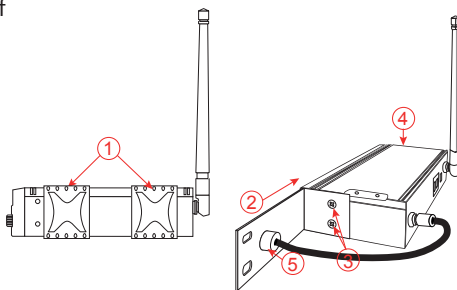
- A. 2x ¼ rack unit adapter
- B. 2x Extension cables for Antenna
- C. 4x Screws to fasten the receiver to the two rack adapters



 **NOTE:** The kit doesn't include screws to fasten the whole block (receiver and adapters) to the 19" rack chassis.

10.2. WF-RACK KIT1 Assembling

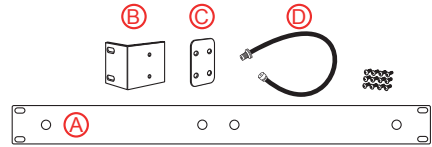
1. Remove the two plastic parts on each of the two sides of the receiver.
2. Place the A adapter so that the two lateral holes match those on the receiver side.
3. Fasten the adapter using two screws as shown in the following picture.
4. Repeat steps 1 to 3 of this section on the other side of the receiver.
5. Unscrew the two rear antennas and insert extension cables supplied with the kit. Then attach the other end to the panel in order to place the antennas outside the rack. The same operation must be performed for both antennas.



10.3. WF-RACK KIT2

The kit includes:

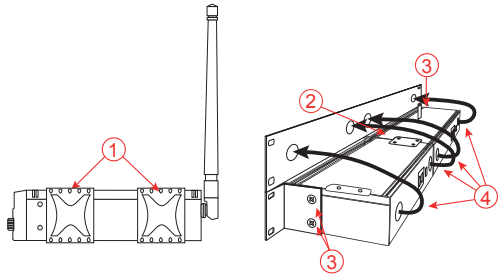
- A. 1x 19" rack panel
- B. 2x Lateral brackets
- C. 4x Receiver's coupling brackets
- D. 4x Extension cables for Antenna
- E. 12x Screws to fasten the two receiver each other and then to the rack adapters



 **NOTE: The kit doesn't include screws to fasten the whole block (receiver and adapters) to the 19" rack chassis.**

10.4. WF-RACK KIT2 Assembling

1. Remove the 4 plastic parts on two sides of the receivers.
2. Place the two receivers so that the holes on the upper and lower part coincide as shown in previous picture and attach one coupling bracket on the top and one on the bottom of the receivers using the supplied screws.
3. Place the lateral brackets respectively on the left and right side of the two connected receivers using the supplied screws.
4. Unscrew the four antennas and insert extension cables supplied with the kit. Then attach the other end to the rack panel as shown in the picture.



II. SPECIFICATIONS

SYSTEM	
Carrier Frequency:	UHF925-937MHz
Bandwidth:	9MHz
Channel Bandwidth:	100kHz
Preset Group/Channel:	6 groups, 10 frequencies in each group
Dynamic Range:	>98dB
Total Harmonic Distortion:	<0.1%
Frequency Response:	30Hz-20kHz / ±2dB
Audio Output Level:	Balanced 400mV; Unbalanced 400mV
Packing Dimensions (WxHxD):	436 x 104 x 324 mm
Packing Gross Weight:	2.5 kg
RECEIVER	
Power Supply:	DC 12V / 1000mA
Consume Power:	5W
Signal/Noise Ratio:	>98dB
Receiving Sensitivity:	-95dBm
Transmission Delay:	<3ms
Dimensions (WxHxD):	210 x 45 x 118 mm (antennas not incl.)
Antenna:	255 mm (not bent)
Net Weight:	0.4 kg
HAND-HELD AND POCKET TRANSMITTER	
Transmitter Power:	10mW (Max)
Battery Voltage Handheld/ Bodypack TX:	3V (2x1.5V AA Battery)
Continuous Using:	5 hours (HI power); 7 hours (LO power)
Battery Charge Time (only handheld Mic.):	About 3,5 hours
Hand-held Mic. Dimensions (W/DxH):	Ø35 (min) - Ø46 (max) x 240 mm
Hand-held Mic. Net Weight:	0.26 kg (batteries included)
Pocket Transmitter Dimensions (WxHxD):	62 x 103 x 30 mm
Antenna (W/DxH):	Ø3 x 9 mm
Pocket Transmitter Net Weight:	0.132 kg (batteries included)

12.FREQUENCY TABLE

Group	Channel									
1	925.00	925.20	925.40	925.60	925.80	926.00	926.20	926.40	926.60	926.80
2	927.00	927.20	927.40	927.60	927.80	928.00	928.20	928.40	928.60	928.80
3	929.00	929.20	929.40	929.60	929.80	930.00	930.20	930.40	930.60	930.80
4	931.00	931.20	931.40	931.60	931.80	932.00	932.20	932.40	932.60	932.80
5	933.00	933.20	933.40	933.60	933.80	934.00	934.20	934.40	934.60	934.80
6	935.00	935.20	935.40	935.60	935.80	936.00	936.20	936.40	936.60	936.80

13. WARRANTY AND SERVICE

All SOUNDSATION products feature a limited two-year warranty. This two-year warranty is specific to the date of purchase as shown on your purchase receipt.

The following cases/components are not covered from the above warranty:

- Any accessories supplied with the product
- Improper use
- Fault due to wear and tear
- Any modification of the product effected by the user or a third party

SOUNDSATION shall satisfy the warranty obligations by remedying any material or manufacturing faults free of charge at SOUNDSATION's discretion either by repair or by exchanging individual parts or the entire appliance. Any defective parts removed from a product during the course of a warranty claim shall become the property of SOUNDSATION.

While under warranty period, defective products may be returned to your local SOUNDSATION dealer together with original proof of purchase. To avoid any damages in transit, please use the original packaging if available. Alternatively you can send the product to SOUNDSATION SERVICE CENTER – Via Enzo Ferrari, 10 – 62017 Porto Recanati - Italy. In order to send a product to service center you need an RMA number. Shipping charges have to be covered by the owner of the product.

For further information please visit www.soundsationmusic.com

14. WARNING

PLEASE READ CAREFULLY – EU and EEA (Norway, Iceland and Liechtenstein) only



This symbol indicates that this product is not to be disposed of with your household waste, according to the WEEE Directive (2202/96/EC) and your national law.

This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (WEEE).

Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources.

For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, approved WEEE scheme or your household waste disposal service.

15. DECLARATION OF CONFORMITY



Importazione e Distribuzione Strumenti Musicali e Accessori

Via Enzo Ferrari, 10
62017 Porto Recanati - Italy
Tel: +39 071 7595011 Fax: +39 071 7595099
info@frenexport.it - www.frenexport.it

P.IVA E C.F. IT00260710439
Banca BANCA DELLE MARCHE spa
IBAN IT84 M060 5569 1310 0000 0001 952

TO: whom it may concern

EU DECLARATION OF CONFORMITY

We, FRENEXPOR SPA,
of Via Enzo Ferrari, 10 – 62017 Porto Recanati (MC) Italy

Declare under our sole responsibility that following products:

Models: SOUNDSATION WF-KCU199H and WF-KCU199P
Description: UHF 60-Channel True Diversity Wireless Systems

conform to the essential requirements of:

- Directive on the general safety of product 2001/95/CE
- European Low Voltage Directive 2006/95/EC
- European EMC Directive 2004/108/EC
- European Radio Equipment Directive (RED) 2014/53/EC

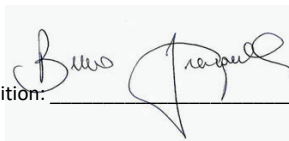
comply with the following standards (depend on type of product):

- EN 60065:2002 + A1:2006 + A11:2008 + A2:2010 + A12:2011
- EN 62479:2010
- ETSI EN 301 489-1 V1.9.2 (2011-09)
- ETSI EN 301 489-9 V1.4.1 (2007-11)
- ETSI EN 300 422-1 V1.5.1 (2015-06)
- ETSI EN 300 422-2 V1.4.1 (2015-06)

conform to RoHS directive 2011/65/EC
and related amendments.

Porto Recanati, 30/08/2018

Position: _____





MADE IN CHINA

This product is imported in EU by
Questo prodotto viene importato nella UE da
FRENEXPORT SPA – Via Enzo Ferrari, 10 - 62017 Porto Recanati - Italy

WWW.SOUNDSATIONMUSIC.COM

Soundsation® is a registered trademark of FRENEXPORT SPA - Italy
Soundsation® è un marchio di fabbrica registrato della FRENEXPORT SPA - Italy



WWW.SOUNDSATIONMUSIC.COM